

531 Rec'd PCT/PT 21 MAY 2001

### APPENDIX A

SUBSTITUTE TRANSMITTAL LETTER
TO THE UNITED STATES DESIGNATED/
ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371



# 0977<u>5</u>760.052101

JC07 Red 7770 2 1 MAY 2001

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
SUBSTITUTE
TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US) FOR (PTO-1390 (RESO 11-2000)

ATTORNEY 'S DOCKET NUMBER 17795-2

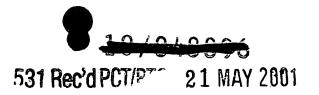
U.S. APPLICATION NO. (C. porto C.)

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SATENT &	SUBSTITU TRANSMITTAL LETTE	TO THE ARMS	ATTORNEY'S DOCKET NUMBER						
CNT 8 1	DESIGNATED ELECTION	R TO THE UNITED STATES	17795-2						
	DESIGNATED/ELECT	U.S. APPLICATION ND. (f movn, ee 3/CFM S							
	SOLICEIGITIO A LICII	09/775,760							
	INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED						
	PCT/US99/17597 TITLE OF INVENTION	August 3, 1999	August 4, 1998						
	PRODUCTION OF BOX	VC A COV.	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1						
	PRODUCTION OF POLYSACCHARIDE ETHERS  APPLICANT(S) FOR DO/EO/US								
	Charles B Mollon								
	Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.								
	1. This is a FIRST submission of items are a submission of items are a submission of items and other information.								
	1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.  2. This is a SECOND or SUBSEQUENT submission of items and other information.								
	2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.  3. This is an express request to begin national examination procedures (25 U.S.C. 371.)								
	3. \( \times \) This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include terms (5), (6), (9) and (21) indicated below.								
	4. The US has been elected by the expiration of 19 months from the priority date (Article 31).  5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))								
	a. is attached hereto (required only if not communicated by the International Bureau).								
	b. has been communicated by the International Bureau.								
	c. X is not required, as the applie	ration was filed in the III is a second							
	6. An English language translation of the	cation was filed in the United States Receiving	GOffice (RO/US).						
٠.	6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  a. is attached hereto.								
	• · · · ·								
	b. has been previously submitted under 35 U.S.C. 154(d)(4).  7. Amendments to the claims of the International Actions.								
	The state of the international Application under PCT Article 10 (25 H o C agree)								
	b. A have been communicated by	are attached hereto (required only if not communicated by the International Bureau)							
٠,	Les de communicated by the International Bureau.								
•	have not been made, nowever, the time limit for making such amendments has NOT expired								
•	a. If have not been made and will not be made.								
•	8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).								
	All oath or declaration of the inventor(	All oath of declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (COPY)							
	10. An English lanugage translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).								
	Items 11 to 20 below concern document(s) or information included:								
•	1. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.								
	12. An assignment document for recording	2. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.21 in the second sec							
	A SECOND or SUBSEQUENT preliminary amendment.								
	A substitute specification.								
	A change of power of attorney and/or address letter.  A computer-readable form of the sequence live in the sequenc								
	is the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825								
	A second copy of the published international application under 35 U.S.C. 154(d)(4).								
l	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).								
	Other items or information:								
1									
1									

10/048896

531 Rec'd 2 FTC 24 TTAY 2001

	09/775,	PPLICATION NO. (If known, see 37 CFR 1.5)  19/775,760  INTERNATIONAL APPLICATION NO. PCT/US99/17597				ATTORNEYS DOCKET NUMBER				
	21. X The following fees are submitted:			CAL	LCULATIONS PTO USE ONLY					
	BASIC NATIONA	L FEE (37 CFR 1.	492 (a) (1) - (5)):		-	COLATIONS	T TO USE UNLY			
			amination fee (37 CFR 1.482 1.445(a)(2)) paid to USPTO prepared by the EPO or JPO							
	International preli USPTO but Intern	minary examination national Search Rep								
	International preli but international s	minary examination earch fee (37 CFR)								
		minary examination not satisfy provision								
	The state of the s	minary examination fied provisions of F R APPROPRIA	_							
l	Surcharge of \$130 0	0 for furnishing the	oath or declaration later that ty date (37 CFR 1.492(e)).	m	\$860	0.00	<b> </b>			
ŀ	CLAIMS				\$130	0.00				
ŀ	Total claims	NUMBER FILE	TOWNDER EXTRA	RATE	\$		<u> </u>			
l <sub>i</sub>	ndependent claims	19 -20 =	<del></del>	x \$18.00	\$					
	MULTIPLE DEPEN	$\frac{2}{2} - 3 =$		x \$80.00	\$					
r	DE DEI EN			+ \$270.00	\$					
h	Applicant claim		AL OF ABOVE CALC b. See 37 CFR 1.27. The fee	<u>ULATIONS = </u>	\$990	0.00				
Ľ	are reduced by 1	1/2.	. See 37 CFR 1.27. The fee	s indicated above +	\$					
1	rocessing fee of \$13	10 00 for family	4 5 0	SUBTOTAL =	\$					
n	Processing fee of \$130.00 for furnishing the English translation later than 20 30 \$ months from the earliest claimed priority date (37 CFR 1.492(f)).									
TOTAL NATIONAL FEE =										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +										
TOTAL FEES ENCLOSED = 3						.00				
					Amoun refu	t to be inded:	\$			
┝					ch	arged:	\$			
a	a. A check in the amount of \$ to cover the above fees is enclosed.									
b. Please charge my Deposit Account No. 21-0100 in the amount of \$990.00 to cover the above fees.  A duplicate copy of this sheet is enclosed.										
c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 21-010 0 A duplicate copy of this sheet is enclosed.										
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information.										
u.	information s	charged to a credit should not be inclu	card. WARNING: Inform ded on this form. Provide	ation on this form may credit card information	become pand auth	public. Credit orization on Pi	card ГО-2038.			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.										
SE	ND ALL CORRESPONI	DENCE TO:	F.F	- pumg status.		11	1/11			
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	SIGNATURE									
	WARREN K VALLES									
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_		100		37 CFR	1.3	4(a)				



#### APPENDIX B

# MARKED-UP COPY OF FILING RECEIPT







#### 531 Rec'd PCT/PT United States Patent and Trademark Office

COMMISSIONER FOR PATENTS UNITED STATES PATENT AND TRADEMARK OFFICE WASHINGTON, D.C. 20231

www.uspta.gov APPLICATION NUMBER FILING DATE **GRP ART UNIT** FIL FEE REC'D ATTY.DOCKET.NO DRAWINGS **TOT CLAIMS** IND CLAIMS 09/775,760 02/02/2001 1623 710 17795-2-PC 1

**CONFIRMATION NO. 5787** 

**FILING RECEIPT** 

\*OC000000005919178\*

UNION CARBIDE CORP. 39 OLD RIDGEBURY ROAD DANBURY, CT 06817

Date Mailed: 03/30/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Pat nt Examination's Customer Service Center. Please provide a copy of this Filing Receipt with th changes noted thereon. If you received a "Notice to File Missing Parts" for this application, pleas submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

John S Vames John I Sarlis Benito See

Charles B. Mallon, Residence Not Provided: Fuminobu Takahashi, Residence Not Provided; Hiroshi-Suzuki, Residence Not Provided:

Darid M. Trampl
// Continuing Data as Claimed by Applicant Rathin Datta

Foreign Applications

Filing under 35 U.S.C. 371, International Application perocity under U.S Provisional Application 60/095,263 1. lid Duport 4 1993.

If Required, Foreign Filing License Granted 03/29/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

eroduction of Polyraccharide Thans Method of preparing modified cellulose other

**Preliminary Class** 





Data entry by: ROBEL, ROMAN

Team : OIPE

Date: 03/30/2001





### LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

#### **GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CRF 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

#### NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15

# PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in." The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:



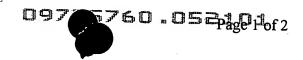


Assistant Commissioner for Patents Office of Initial Patent Examination Customer Service Center Washington, DC 20231

## APPENDIX E

NOTICE TO FILE MISSING PARTS







### UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231

APPLICATION NUMBER

FILING/RECEIPT DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

09/775,760

UNION CARBIDE CORP.

DANBURY, CT 06817

39 OLD RIDGEBURY ROAD

02/02/2001

Charles B. Mallon

17795-2-PC

CONFIRMATION NO. 5787

FORMALITIES LETTER

OC000000005919179\*

Date Mailed: 03/30/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

#### Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- The Claim(s) commencing on a separate sheet (37 CFR 1.75(h)).
- A substitute specification in compliance with 37 CFR 1.52 because:
  - Line spacing on the specification, claims, or abstract is not 1-1/2 or double spaced (See 37 CFR 1.52(b)).
- An abstract was not provided for this application. An abstract of the technical disclosure is required under 37 CFR 1.72(b).

760.052page2of2

Customer Service Center

Initial Patent Examination Division (703) 308-1202
PART 2 - COPY TO BE RETURNED WITH RESPONSE



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.:09/775,760

Group Art Unit: 1623

Inventor(s): Mallon et al.

Filed: 2/2/01

Title: PRODUCTION OF POLYSACCHARIDE ETHERS

#### NOTICE TO FILE MISSING PARTS OF NON-PROVISIONAL APPLICATION

Hon. Assistant Commissioner for Patents Washington, DC 20231

Sir:

This communication is in response to the Notice to File Missing Parts of Non-Provisional Application dated March 30, 2001.

It is noted that the above-identified patent application is a U.S. national filing under 35 U.S.C. 371. The following are the particulars of the application.

International Application No.: PCT/US99/17597

**International Filing Date:** 

August 3, 1999

Priority Dated Claimed:

August 4, 1998

(Provisional No. 60/095,263)

Applicants:

Charles B. Mallon John S. Vames John I. Sarlis Benito See

David M. Trampe Rathin Datta

Due to an apparent clerical error, applicants' file does not contain copies of Form PTO-1390, "Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371". Accordingly, enclosed in Appendix A is a Substitute Form PTO-1390 for the above-identified application.

Date of MAY 21 2001 EXPRESS MAIL Deposit — Mailing Label No... Thereby certify that this paper or fee is being deposited with the United States Postal Service Express Mail Post Office to Addressee' service under 37 CFR 1.10 on the dole indicated chove and is addressed to the Commissioner of Patents and Trademarks, Wachington, D.C. 20231

EL180389077US
Carolyn Vandergrift
(Typed or priped name of person

Relier papel or feet)

Cual Vandergrift
(Signature of pelson mailing paper)







It is requested that a Corrected Filing Receipt be generated by the PTO. Enclosed in Appendix B is a marked-up copy of the Filing Receipt dated March 30, 2001.

In the Notice to File Missing Parts, it was alleged that the oath or declaration was missing. It is noted that an executed Declaration For Utility or Design Patent Application (Form PTO/SB/01) was filed with the U.S. Receiving Office on August 3, 1999 (copy enclosed in Appendix C).

Also, in the Notice to File Missing Parts it was alleged that:

The required item(s) identified below must be timely submitted to avoid abandonment:

- The Claim(s) commencing on a separate sheet (37 CFR 1.75(h)).
- A substitute specification in compliance with 37 CJR 1.52 because:
  - ◆Line spacing on the specification, claims, or abstract is not 1 1/2 or double spaced (See 37 CFR 1.52(b)).
  - An abstract was not provided for this application. An abstract of the technical disclosure is required under 37 CFR 1.72(b).

It is believed that the International Bureau has communicated, or shall communicate, amended claims (dated July 26, 2000) to the U.S. Designated Office and that the specification and abstract are presently on file in the U.S. Receiving Office. Nevertheless, for the convenience of the PTO, enclosed in Appendix D is a Substitute Specification under 37 CFR 1.125. The substitute specification is equivalent to application PCT/US99/17597, is believed to be the specification of record and contains no new matter.

Also filed herewith is a Preliminary Amendment in order to bring the claims in the substitute specification in conformance with the claims as amended on July 26, 2000 in the International Examination.

A copy of the Notice of File Missing Parts is enclosed as Appendix E.

An early and favorable Office Action is courteously solicited.

Respectfully submitted,

Warren K. Volles Reg. No. 33,810

Attorney for Applicant(s)

(203) 794-6360 37 CFR 1.34(a)

Union Carbide Corporation Danbury, Connecticut 06817-0001 Dated: May 21, 2001 PAT 160A:5.98